

CLAIMS

1 1. A method of making a teeth treatment device, comprising the
2 steps of:

3 passing a substrate through a container having melted wax therein
4 to form a wax saturated substrate;

5 applying a quantity of bleaching solution to one side of said wax
6 saturated substrate;

7 joining a thin plastic sheet to said one side of said wax saturated
8 substrate to form a plastic coated wax saturated substrate having a
9 quantity of bleach;

10 cutting said plastic coated wax saturated substrate having a
11 quantity of bleach into individual strips having a predetermined
12 configuration; and

13 packaging said individual strips.

1 2. The method of claim 1, wherein said substrate is selected from
2 the group consisting of cheese cloth, non woven natural fiber fabric,
3 woven natural fiber fabric, non woven synthetic fiber fabric, woven
4 synthetic fiber fabric, paper and combinations thereof.

1 3. The method of claim 1, wherein said substrate is first mounted on
2 a roll to provide a continuous roll of said cloth, and said wax container
3 includes a roller to transmit said substrate through said container.

1 4. The method of claim 1, which includes the further step of cooling
2 the wax saturated substrate prior to said bleaching step. includes cooling
3 means positioned for cooling the wax saturated substrate prior to said
4 bleaching step and roller means for directing said cooled wax saturated
5 substrate from said container means to said bleach spray means.

1 5. The method of claim 4, wherein said cooled wax saturated
2 substrate has a thickness ranging from about 0.01 to 0.03 inches.

1 6. The method of claim 5, wherein said cooled was saturated
2 substrate has a thickness of about 0.015 inches.

1 7. The method of claim 1, wherein said wax contain at least 25
2 percent by weight of paraffin wax.

1 8. The method of claim 7, wherein said was contains over 40 percent
2 by weight paraffin wax.

1 9. The method of claim 1, wherein said strips are cut to allow the
2 device to generally conform to a patient's teeth.

1 10. The method of claim 9, wherein said strips are formed into
2 specific patterns to permit the pattern to be folded into a three
3 dimensional tray.

1 11. Apparatus for making a teeth treatment device, comprising:

2 supply means for supplying textured substrate;
3 container means for receiving said textured substrate and having
4 melted wax therein to form a wax saturated substrate;
5 bleach spray means positioned for applying a quantity of bleaching
6 solution to one side of said wax saturated substrate;
7 plastic sheet means for joining a thin plastic sheet to said one side
8 of said wax saturated substrate to form a plastic coated wax saturated
9 substrate having a quantity of bleach;
10 die means for cutting said plastic coated wax saturated substrate
11 having a quantity of bleach into individual strips having a predetermined
12 configuration; and
13 packaging means for packaging said individual strips.

1 12. The apparatus of claim 11, wherein said substrate is selected from
2 the group consisting of cheese cloth, non woven natural fiber fabric,
3 woven natural fiber fabric, non woven synthetic fiber fabric, woven
4 synthetic fiber fabric, paper and combinations thereof.

1 13. The apparatus of claim 11, wherein said textured substrate is first
2 mounted on a roll to provide a continuous roll of said substrate, and said
3 wax container includes a roller to transmit said substrate through said
4 container means.

1 14. The apparatus of claim 13, which includes cooling means
2 positioned for cooling the wax saturated substrate prior before said
3 bleach spray means and roller means for directing said cooled wax

4 saturated substrate from said container means to said bleach spray
5 means.

1 15. The apparatus of claim 14, wherein said cooled wax saturated
2 substrate has a thickness ranging from about 0.01 to 0.03 inches.

1 16. The apparatus of claim 15, wherein said cooled wax saturated
2 substrate has a thickness of about 0.015 inches.

1 17. The apparatus of claim 16, wherein said wax contain at least 25
2 percent by weight of paraffin wax.

1 18. The apparatus of claim 17, wherein said was contains over 40
2 percent by weight paraffin wax.

1 19. The apparatus of claim 11, wherein said strips are cut to allow the
2 device to generally conform to a patient's teeth.

1 20. The apparatus of claim 19, wherein said strips are formed into
2 specific patterns to permit the pattern to be folded into a three
3 dimensional tray.